

### Abstract

The invention provides a method for inhibiting c-jun activation in mammalian or avian cells comprising contacting the cells with a substance that inhibits the activity of Janus family kinase 3 (JAK-3). The invention also provides a therapeutic method for preventing or treating a pathological condition in a mammal wherein c-jun activation is implicated and inhibition of its activation is desired comprising administering to a mammal in need of such therapy, an effective amount of a substance that inhibits the activity of JAK-3. Novel compounds that are JAK-3 inhibitors, as well as pharmaceutical compositions comprising the compounds are also provided.

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